

### ABSTRACT

Methods are disclosed for calculating the amount of voltage coupled to a device. In some embodiments, the method may comprise identifying a conductor that is coupled to a device, extracting information regarding the relationship between the conductor coupled to the device and adjacent conductors, extracting information regarding signals that are present in the adjacent conductors, partitioning the signal information into phases, calculating a voltage induced in the conductor coupled to the device during each phase of the partitioned signal, calculating an average voltage induced in the conductor coupled to the device and, flagging the device if the average voltage induced is above a predetermined threshold.